

## JOINT STRUCTURE

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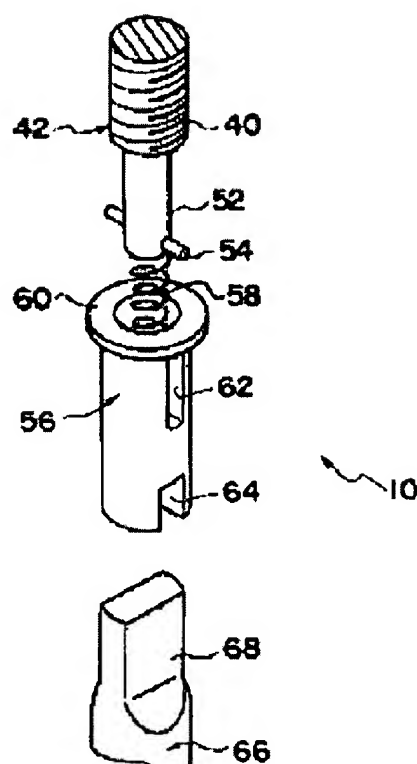
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### Abstract of JP6247253

**PURPOSE:** To generate coupling of a motor rotation shaft with a long bolt easily only through rotating of the motor rotation shaft by furnishing a spring between the long bolt and a movable member, and therewith energizing the movable member in the direction that a fit part is inserted. **CONSTITUTION:** A joint structure 10 includes a cylindrical joint part 52 at the bottom of the male threaded part 40 of a long bolt 42, and a pin 54 is inserted at the bottom of the joint part 52, and a spring 58 is installed between it and a cylinder 56 mounted thereon. A rectangular fit hole 64 is bored in this cylinder 56 on its motor rotation shaft 66 side, and a fit part 68 formed at the tip of the motor rotation shaft 66 is fitted in this fit hole 64. When the motor rotation shaft 66 is fitted in the cylinder 56, it is in the condition being energized by the spring 58 in the direction that the fit part 68 is fitted. Even though the location of the fit hole 64 is not identical to the fitting position of the fit part 68, the motor rotation shaft 66 is rotated by motor, and thereby the fit hole 64 is fitted easily to the fit part 68 while the abovementioned pin 54 is guided along a long hole 62 provided in the flange part 60 of the cylinder 56.



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